(1) Publication number:

0 283 570

A3

EUROPEAN PATENT APPLICATION

(21) Application number: 87118133.5

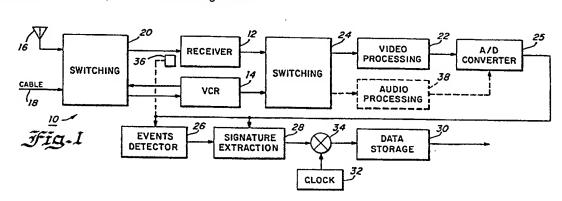
2 Date of filing: 16.04.85

(1) Int. Cl.4: H04H 9/00 , H04N 17/00 , G10L 5/00

- Priority: 26.04.84 US 604367
- 43 Date of publication of application: 28.09.88 Bulletin 88/39
- Publication number of the earlier application in accordance with Art.76 EPC: 0 161 512
- Designated Contracting States: AT BE CH DE FR GB IT LI NL
- ® Date of deferred publication of the search report: 12.10.88 Bulletin 88/41

- (17) Applicant: A. C. Nielsen Company Nielsen Plaza Northbrook Illinois 60062(US)
- Inventor: Kiewit, David 2420 Seneca Palm Harbor Florida(US) Inventor: Lu, Daozheng 695 San Salvador Dunedin Florida(US)
- (a) Representative: Bauer, Robert, Dipl.-Ing. et al Boeters, Bauer & Partner Patentanwälte Thomas-Wimmer-Ring 14 D-8000 München 22(DE)

- Signal identification system.
- A system for identifying signals such as signals representative of television programs received from various sources detects the occurrence of predetermined events such as scene changes in the video signal and extracts a signature from the signal. The signatures and the times of occurrence of the signature are stored and subsequently compared with reference signatures to identify the signal. The signature may be compared in pairs to increase resolution, and the time interval between events or signatures may also be used to identify the signal, either pby themselves or in conjunction with the signatures.





EUROPEAN SEARCH REPORT

EP 87 11 8133

	Citation of document with i	ndication, where appropriate,	Relevant	CLASSIFICATION OF THE	
Category	of relevant pa		to claim	APPLICATION (Int. Cl.4)	
X	GB-A-1 282 641 (T. * Page 1, lines 37- 70-97; claims 1,2,9	83; page 2, lines	1,2	H 04 H 9/00 H 04 N 17/00	
Y			4	G 10 L 5/00	
Α	FR-A-2 520 539 (WE * Claim 1 *	STERN ELECTRIC CO.)	1-3	·	
Y,D	46 - column 4, line 55 - column 8, line 26 - column 10, lin line 18 - column 14	-40; column 3, line 54; column 5, line 61; column 9, line e 55; column 11, line 55; column 16, line 65; column	. 4		
A			1,2,7- 10,12, 14,15		
A	US-A-3 737 566 (R. * Claims 1,3 *	H. BAER et al.)	5,6	TECHNICAL FIELDS SEARCHED (Int. CI.4)	
A	WO-A-8 301 526 (M. * Abstract *	KOHLER et al.)	1 .	G 10 L	
D,A	US-A-3 919 479 (W. * Claims *	D. MOON)	1		
A	AUERBACH: "A patter	E, vol. 84, March s, Scarsdale, US; G. n-recognition system o and audio signals" -/-	1		
	The present search report has be	peen drawn up for all claims Date of completion of the searc	h	Examiner	
THE HAGUE		13-07-1988	MIN	MINNOYE G.W.	

EPO FORM 1503 03.82 (P0401)

X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
P: intermediate document

after the filing date

D: document cited in the application
L: document cited for other reasons

&: member of the same patent family, corresponding document

EUROPEAN SEARCH REPORT

Application Number

EP 87 11 8133

Cata-	Citation of document with i	ndication, where appropriate,	Relevant	CLASSIFICATION OF THE	
Category	of relevant pa		to claim	APPLICATION (Int. Cl.4)	
A	ICASSP 83, Boston, 1983, vol. 2, pages York, US; P.K. RAJA "Microcomputer impl speaker-independent * Abstract; page 75	14th-16th April 753-756, IEEE, New SEKARAN et al.: ementable low cost word recognition"	1	TECHNICAL FIELDS SEARCHED (Int. Cl.4)	
	The present search report has b				
		Date of completion of the search 13-07-1988	MINN	Examiner MINNOYE G.W.	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		NTS T: theory or pri E: earlier paten after the fili other D: document cit L: document cit	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document		